

# INTERNATIONAL SEARCH REPORT

International Application No. PCT/CA3/00045

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A01D34/68 A01D34/69 A01D34/10 A01D34/47 B62D7/02  
A01B51/02

According to International Patent Classification (IPC) or to both national classification and IPC.

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01D B62D A01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 090 185 A (MEEKS EARL L) 25 February 1992 (1992-02-25) column 4, line 9 - line 49 column 3, line 50 - line 60; figures	1,2,4,6, 7,10-12
A	US 4 964 265 A (YOUNG CARL W) 23 October 1990 (1990-10-23) cited in the application column 2, line 37 - line 46 column 3, line 3 - line 42; figures	1,2,4,6, 11,12
A	DE 43 03 342 A (BAUMANN R & CO) 11 August 1994 (1994-08-11) column 4, line 59 -column 6, line 7; figures	1 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

1 December 2003

Date of mailing of the international search report

09/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bunn, D

## INTERNATIONAL SEARCH REPORT

Inte Application No.  
PCT/03/00045

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 029 431 A (DOWLER DAVID ET AL) 29 February 2000 (2000-02-29) column 7, line 26 - line 50; figures 1-5	1
A	US 5 667 032 A (KAMLUKIN IGOR) 16 September 1997 (1997-09-16) figures	1
A	US 4 041 678 A (CHANAY RAY OWEN ET AL) 16 August 1977 (1977-08-16) the whole document	1
A	US 3 839 610 A (HARLOW H) 1 October 1974 (1974-10-01) the whole document	1
A	US 4 318 266 A (TAUBE MAX) 9 March 1982 (1982-03-09) cited in the application column 1, line 12 - line 15	11,12
A	US 2 698 507 A (SIEBRING BARTON G) 4 January 1955 (1955-01-04) cited in the application column 1, line 15 - line 20	11,12

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CZ/00045

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5090185	A	25-02-1992	NONE		
US 4964265	A	23-10-1990	NONE		
DE 4303342	A	11-08-1994	DE	4303342 A1	11-08-1994
US 6029431	A	29-02-2000	AU	706569 B2	17-06-1999
			AU	3986295 A	17-06-1996
			DE	69526961 D1	11-07-2002
			EP	0793411 A1	10-09-1997
			WO	9615656 A1	30-05-1996
US 5667032	A	16-09-1997	NONE		
US 4041678	A	16-08-1977	NONE		
US 3839610	A	01-10-1974	NONE		
US 4318266	A	09-03-1982	NONE		
US 2698507	A	04-01-1955	NONE		